

ABSTRACT

In the production of an acrylic copolymer by emulsion polymerization of a monomer mixture comprising (a) 30-70% by weight of perfluoroalkylalkyl (meth)acrylate, represented by the following general formula : $\text{CH}_2=\text{CRCOOR}' \text{ Rf}$ (where R is a hydrogen atom or a methyl group, R' is a linear or branched alkylene group having 1-8 carbon atoms, and Rf is a perfluoroalkyl group having 4-16 carbon atoms), (b) 25-60% by weight of stearyl (meth)acrylate, (c) 0.1-5% by weight of (meth)acrylamide, and (d) 0.1-5% by weight of N-methylol (meth)acrylamide, in the presence of a non-ionic and/or cationic surfactant, a polypropylene glycol-based compound having a molecular weight of 250-5,000 is used as an emulsification aid at the same time. The resulting aqueous dispersion of acrylic copolymer has distinguished preservation stability, and water and oil repellency.

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